

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2005/000038

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61B 5/04, G01R 33/02, G01R 19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61B, G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5408178 A (JOHN P. WIKSWO, JR, ET AL), 18 April 1995 (18.04.1995), column 2; column 11, line 63 - line 65 --	1-10
X	US 20020151779 A1 (WILLIAM F. AVRIN ET AL), 17 October 2002 (17.10.2002), [0046] --	1-10
X	US 4793355 A (DUANE B. CRUM ET AL), 27 December 1988 (27.12.1988), abstract --	1-7,9-10
X	EP 0483698 A1 (NEUROMAG OY), 6 May 1992 (06.05.1992), column 1, line 38 - line 45 --	1

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

26 May 2005

Date of mailing of the international search report

2.7 -05- 2005

Name and mailing address of the ISA/

Swedish Patent Office

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International application No.

PCT/FI 2005/000038

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>Samu Taulu et al International Congress Series 1270 (2004) 32-37 2 August 2004 Clinical applications of the signal space separation method abstract</p> <p style="text-align: center;">-- -----</p>	1-10

INTERNATIONAL SEARCH REPORT

International application No.
PCT/FI2005/000038**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1 - 10
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

See extra sheet.
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Continuation of Box II

Present claim 1 relates to an extremely large number of possible methods. In fact, the claim contains so many options and variables that a lack of clarity and conciseness within the meaning of Article 5 and 6 PCT arises to such an extent as to render a meaningful search of the claim impossible.

Consequently, the search has been carried out for those parts of the application which appear to be clear and concise, namely methods recited in the examples, i.e. measurement of (bio-) magnetic signals emanating from DC-currents in an object by moving the object.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established will not be the subject of an international preliminary examination (Rule 66.1(e) PCT). This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT
Information on patent family members.

International application No.

PCT/FI 2005/000038

US	5408178	A	18/04/1995	AU	664558	B	23/11/1995
				AU	2007492	A	30/12/1992
				CA	2103032	A,C	18/11/1992
				DE	69224192	D,T	30/07/1998
				EP	0584258	A,B	02/03/1994
				SE	0584258	T3	
				JP	3080989	B	28/08/2000
				JP	6508686	T	29/09/1994
				MX	9202294	A	01/07/1993
				WO	9221039	A	26/11/1992
<hr/>							
US	20020151779	A1	17/10/2002	CA	2407145	A	18/06/2003
				CA	2337429	A	15/06/2002
				US	6418335	B	09/07/2002
				US	6496713	B	17/12/2002
				US	20010012915	A	09/08/2001
				US	20020077537	A	20/06/2002
				US	20020115925	A	22/08/2002
				US	6208884	B	27/03/2001
				US	20010029329	A	11/10/2001
				CA	2258268	A	31/12/1997
				EP	0917441	A	26/05/1999
				IL	127659	D	00/00/0000
				JP	2001504714	T	10/04/2001
				US	5842986	A	01/12/1998
				WO	9749334	A	31/12/1997
				CA	2372090	A	02/09/2002
				CA	2442614	A	03/10/2002
				EP	1372477	A	02/01/2004
				WO	02076294	A	03/10/2002
<hr/>							
US	4793355	A	27/12/1988	EP	0312570	A	26/04/1989
				JP	1503603	T	07/12/1989
				WO	8807834	A	20/10/1988
<hr/>							
EP	0483698	A1	06/05/1992	AT	121607	T	15/05/1995
				CA	2053762	A	02/05/1992
				DE	69109234	D,T	31/08/1995
				FI	89130	B,C	14/05/1993
				FI	905397	A	02/05/1992
				JP	4314424	A	05/11/1992
				US	5323777	A	28/06/1994